

What is claimed is:

1. A process for refining lignocellulose raw materials comprising the step of:
 - discharging the lignocellulose raw materials from a digester;
 - dewatering the lignocellulose raw materials;
 - extracting condensate produced in the dewatering step; and
 - refining the dewatered lignocellulose raw materials in a refiner.
2. The process of claim 1 wherein the lignocellulose raw materials are dewatered by compacting.
3. The process of claim 1 further comprising the step of producing glue from the extracted condensate.
4. The process of claim 2 wherein the lignocellulose raw materials are compacted by a plug screw located at the discharge of the digester.
5. A system for refining lignocellulose raw materials comprising:
 - a digester;
 - a refiner;
 - a connection device connecting the digester to the refiner;
 - a dewatering device provided in the connection device, the dewatering device separating the lignocellulose raw materials into dewatered lignocellulose raw material and water in the form of condensate;
 - a discharge pipe for discharging the condensate from the system.
6. The system of claim 5 wherein the dewatering device is a compaction device.

7. The system of claim 5 wherein the dewatering device is disposed at an outlet of the digester.

8. The system of claim 7 wherein the dewatering device is disposed directly below the outlet of the digester.

9. The system of claim 5 wherein the connection device defines a transport direction and the dewatering device is a screw having a diminishing cross section in the transport direction.

10. The system of claim 5 further comprising a rotating peeling head disposed at a discharge of the dewatering device.